

Corrigendum

To: D. Bienstock, "On the complexity of testing for odd holes and induced odd paths" Discrete Mathematics 90 (1991) 85–92.

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Bruce Reed has pointed out a flaw in the construction which renders (2.1) false. Namely, a u -hole may contain, for some variable x_i , a subpath of the form (for example) $t_{i,4}, c_{i,4}, f_{i,4}, f_{i,3}, f_j(x_i)$, for some j , and thus subgraph α_{i+1} is not visited in the expected way.

This is corrected by adding to each subgraph α_i , the red edges $\{f_{i,1}, t_{i,3}\}$, $\{t_{i,3}, f_{i,3}\}$, and $\{f_{i,3}, t_{i,1}\}$. Refer to Fig. 1 below. With this change, (2.1) now holds as desired.

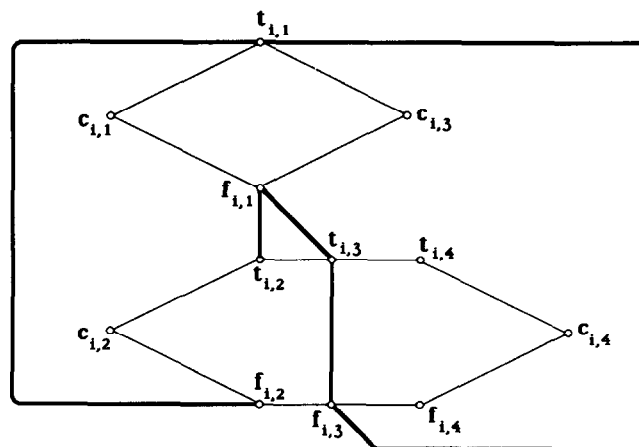


Fig. 1.